

Third-party funded projects

Research on authenticity testing of food and feed

Time period	Acronym	Topic	Further information
05/2016–04/2019	Animal-ID	Development and validation of innovative methods for tracing and authentication of animal proteins in food and feed	BMEL (FKZ: 2816503514)
09/2016–09/2019	FoodAuthent	Development of a system for the collection, analysis and exploitation of product authenticity data in the food sector	BMEL (FKZ: 2816502914)

Abbreviations/acronyms

BfG:	German Federal Institute of Hydrology
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DFG:	German Research Foundation
EFSA:	European Food Safety Authority
EU:	European Union
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Research on the safety of national and international supply chains

Time period	Acronym	Topic	Further information
12/2013–11/2018	EFFORT	Ecology from Farm to Fork Of microbial drug Resistance and Transmission	EU (613754) www.effort-against-amr.eu
01/2014–12/2018	Food Integrity	Ensuring the Integrity of the European Food Chain	EU (613688)
03/2016–02/2020	MyToolBox	Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management	EU (678012) www.mytoolbox.eu
05/2016–04/2019	Ess-B.A.R.	Food safety and resilience of food supply chains in biohazard situations	BMBF (FKZ: 13N13982)
08/2017–03/2018	Field study supply chains (NRW Warenströme)	Project cooperation between BfR and LANUV NRW for the continuous traceability of products	Federal states
07/2016–08/2019	SAD-Zambia	<i>Staphylococcus (S.) aureus</i> in the dairy food chain in Zambia – combating foodborne disease and antimicrobial resistance in humans	BMEL support programme: World food affairs BLE (FKZ: 2815DOKP04)
01/2017–12/2019	AGINFRA+	Accelerating user-driven e-infrastructure innovation in food and agriculture	EU (731001) www.plus.aginfra.eu
03/2017–04/2019	Risk Assessment Tools	Risk assessment tools for the safety of global food and feed supply chains	EFSA (GP/EFSA/AMU/2016/01)
09/2017–08/2021	EU-China-Safe	Delivering an effective, resilient and sustainable EU-China food safety partnership	EU (727864)

Research on human, animal and environmental health (One Health)

Time period	Acronym	Topic	Further information
08/2017–07/2020	RoBoPub	Strengthening public health by understanding the epidemiology of rodent-borne diseases	BMBF (FKZ: 01K11721B)
09/2017–08/2020	#1Health-PREVENT	One Health interventions to prevent zoonotic spread of antimicrobial multidrug-resistant bacterial microorganisms	BMBF (FKZ: 01K11727C)
09/2017–08/2020	PAC-CAMPY	Preventing and combating <i>campylobacter</i> infections: on track towards a One Health approach	BMBF (FKZ: 01K11725B)

Research on exposure estimation and assessment of biological risks

Time period	Acronym	Topic	Further information
01/2014–04/2018	MedVet-Staph 2	MedVet-Staph interdisciplinary research network on the zoonotic impact of <i>staphylococcus aureus</i> /MRSA	BMBF (FKZ: 01KI1301C)
01/2014–04/2017	RESET 2	RESET II joint project: ESBL and (fluoro)quinolone resistance in <i>Enterobacteriaceae</i>	BMBF (FKZ: 01KI1313B)
06/2015–05/2018	NutriAct	Nutritional intervention for healthy aging: food patterns, behaviour, and products	BMBF www.nutriact.de
11/2015–11/2018	EsRAM	Development of reduction measures across all stages for antimicrobial-resistant pathogens in fattening poultry	BMEL (FKZ: 2817701614)
01/2016–01/2018	ENGAGE	New approaches in identifying and characterising microbiological and chemical hazards	EFSA (GP/EFSA/AFSCO/2015/01/CT1)
01/2010–12/2019	Leptospirosis	Consiliary laboratory for leptospirosis – Studies on the occurrence of leptospirosis in small mammals	RKI (FKZ: 1369-365)
03/2016–02/2019	Rotaviruses	Characterisation of the zoonotic potential of poultry rotaviruses	DFG (GZ: JO369/4-3)
04/2016–03/2019	CAMPY-TRACE	Combined live/dead discrimination and real-time PCR approach for the quantitative risk assessment of viable <i>Campylobacter</i> applicable in international control strategies	BMBF (FKZ: 031B0054A)
01/2017–12/2018	MolTypList	Molecular typing of <i>Listeria monocytogenes</i> in food as basis for an efficient risk assessment and control of listeriosis in Germany	BMG (FKZ: GE20160326)
07/2017–06/2018	Vegan diet	Vegan diet and bone health	Elsbeth Bonhoff Foundation (project no.: 167)
01/2017–10/2018	Vibrios	Development of an early warning and information system for the occurrence of vibrios in coastal bathing waters	BfG (part of a BMU project with FKZ: 3716622030)

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Research on the detection of contaminants and for the assessment of chemical risks

Time period	Acronym	Topic	Further information
05/2015–05/2019	EuroMix	European Test and Risk Assessment Strategies for Mixtures (EuroMix)	EU (633172) www.euromixproject.eu
04/2016–04/2020	EuroCigua	Risk characterization of ciguatera food poisoning in Europe to determine the incidence and epidemiological characteristics of ciguatera cases in Europe	EFSA (GP/EFSA/AFSCO/2015/03)
08/2016–10/2018	REACH III	Availability of health and environmental data for high tonnage chemicals under REACH	BMU (FKZ: 3716674220)

Research on modern methods in toxicology

Time period	Acronym	Topic	Further information
07/2015–06/2018	Okadaic acid	Molecular characterisation of toxicological properties of the marine biotoxin okadaic acid in <i>in vitro</i> models for the human intestinal barrier and liver	DFG (GZ: LA1177/11-1)
12/2015–12/2018	PFOA	Molecular mechanisms of the toxicity of perfluorooctanoic acid (PFOA)	DFG (GZ: LA1177/10-1), DFG (GZ: BU3060/1-1)
10/2017–09/2020	Gastrointestinal barrier	Interaction of metabolism and transport of toxicological relevant compounds in the gastrointestinal barrier	DFG (GZ: LA1177/4-4)
06/2017–05/2020	PA1	Identification of the structure-dependent toxicity of hepatotoxic pyrrolizidine alkaloids	DFG (GZ: LA1177/12-1)
06/2017–05/2020	PA2	Investigation of hepatotoxic and genotoxic potential as well as metabolism of food-relevant pyrrolizidine alkaloids	DFG (GZ: TH1925/2-1)
06/2017–06/2018	Prediction of skin absorption	Applicability of <i>in silico</i> tools for the prediction of dermal absorption of pesticides	EFSA (OC/EFSA/PRAS/2016/02)

Research to harmonise and standardise assessments of exposure

Time period	Acronym	Topic	Further information
04/2015–01/2017	LiquiTabs	Study on hazardous detergent mixtures contained in soluble packaging for single use	EU (705912)
01/2016–12/2021	Tender Animal feeding	Determination of pyrrolizidine alkaloids in feed materials and compound feed by LC-MS/MS	EU (2013-12)
12/2016–08/2018	FOODEX 2	Database of processing techniques and processing factors compatible with the EFSA food classification and description system	EFSA (GA/EFSA/PRAS/2016/01)
04/2017–11/2018	National poisoning monitoring	Pilot study to establish national poisoning monitoring	BMU (FKZ: UM17653010)
01/2017–12/2021	HBM4EU	European Human Biomonitoring Initiative	EU (733032) www.hbm4eu.eu
09/2017–06/2021	LIFE VERMEER	Integrating VEGA, toxRead, MERLIN-Expo and ERICA into a single platform for risk assessment and substitution of risky substances	EU (LIFE16 ENV/IT/000167)

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Research on alternatives to animal experiments

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04/2014–03/2018	BB3R	Innovations in the 3R Research – Genetic Engineering, Tissue Engineering and Bioinformatics	BMBF (FKZ: 031A262D) www.bb3r.de
07/2017–06/2020	Severity assessment	Severity assessment from an animal's point of view	DFG (GZ: LE2356/5-1)
04/2016–03/2018	Cognitive dysfunction	Cellular mechanisms of critical illness-induced cognitive dysfunction	Federal states (Einstein-Foundation: A-2014-223)
02/2017–01/2020	LivSys-Transfer	Transfer of the LivSys <i>in vitro</i> system for hepatotoxicity into application	BMBF (FKZ: 031L0119C)
01/2017–12/2019	Combiomics 2	Investigation of mixture effects of pesticides <i>in vitro</i>	BMBF (FKZ: 031L0118A)

Research on functional analytics and early risk detection

Time period	Acronym	Topic	Further information
05/2017–04/2022	SafeConsumE	Safer food through changed consumer behaviour: Effective tools and products, communication strategies, education and a food safety policy reducing health burden from foodborne illnesses	EU (727580)
04/2017–04/2020	DEMETER	Determination of metrics of emerging risk	EFSA (GP/EFSA/AFSCO/2016/01)

Research on feed safety

Time period	Acronym	Topic	Further information
01/2014–03/2019	Tender melamine	Determination of melamine in feed by LC-MS/MS	CEN (SA/CEN/ENTR/522/2013-11)
06/2015–12/2018	Tender mycotoxin	Foodstuffs – Determination of T-2 and HT-2 toxin in cereal based foods for infants and young children by LC-MS/MS	CEN (SA/CEN/ENTR/520/2013-17)

Research on nanotechnology: detection, toxicology, risk assessment and risk perception

Time period	Acronym	Topic	Further information
03/2013–02/2017	NANoREG	A common European approach to the regulatory testing of nanomaterials	EU (310584) www.nanoreg.eu
11/2013–10/2017	NanoDefine	Development of methods and standards supporting the implementation of the Commission recommendation for a definition of a nanomaterial	EU (604347) www.nanodefines.eu
10/2014–09/2017	DENANA	Design criteria for sustainable nanomaterials	BMBF (FKZ: 03X0152E)
04/2014–06/2018	SoINanoTOX	Determining factors of the toxicity in intestine and liver for two similar sized nanoparticles used in food and packaging: <i>In vitro</i> and <i>in vivo</i> investigation on uptake and mechanisms involved	DFG (GZ: LA3411/1-1) DFG (GZ: LA1177/9-1)
12/2015–11/2018	NanoToxClass	Establishing nanomaterial grouping/classification strategies according to toxicity and biological effects for supporting risk assessment	BMBF (FKZ: 03XP0008A) www.nanotoxclass.eu
05/2015–04/2018	nanoGRAVUR	Nanostructured materials – Grouping for occupational health and consumer and environmental protection and risk mitigation	BMBF (FKZ: 03XP0002D)
09/2015–08/2018	NANoREG 2	Development and implementation of Grouping and Safe-by-Design approaches within regulatory frameworks	EU (646221) www.nanoreg2.eu
05/2016–04/2019	NANOaers	Fate of aerosolised nanoparticles: The influence of surface-active substances on lung deposition and respiratory effects	BMBF (FKZ: 03XP0064A) www.nanoaers.eu/index.html
07/2017–06/2019	NANOHEPATOX	Assessment of potential synergistic or antagonistic toxicity mechanisms during co-exposition of <i>in vitro</i> models towards cerium dioxide nanoparticles and environmental chemicals/pharmaceuticals	BMBF (FKZ: 01DH17052)
01/2017–12/2020	ACEnano	Analytical and Characterisation Excellence in nanomaterial risk assessment: A tiered approach	EU (720952)

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Scientific cooperation

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01/2014–12/2017	EFSA focal point	Germany's national focal point on technical and scientific matters	EFSA www.efsa.europa.eu/de/networks/fp.htm
09/2017–08/2018	Fellow Hosting GA3	Application of data science in Risk Assessment and Early Warning	EFSA (GP/EFSA/AFSCO/2016/02 – GA 3)
09/2017–08/2018	Fellow Hosting GA4	Identification and evaluation of potentially mutagenic and carcinogenic heat-related contaminants in food	EFSA (GP/EFSA/AFSCO/2016/02 – GA 4)
09/2017–08/2018	Fellow Hosting GA5	Risk Assessment of plants and plant preparations in food	EFSA (GP/EFSA/AFSCO/2016/02 – GA 5)
09/2017–08/2018	Fellow Hosting GA6	Risk Assessment of substances used in food supplements and fortified foods	EFSA (GP/EFSA/AFSCO/2016/02 – GA 6)
04/2017–05/2018	Data Quality	Strategic Partnership with Germany on Data Quality (Pilot project)	EFSA (GP/EFSA/DATA/2017/01 – GA 04)
01/2016–12/2018	VET-Twin	Strengthening of scientific excellence of the Polish "National Veterinary Research Institute in animal health and food chain safety"	EU (692131)
03/2017–06/2018	Endocrine Disruptors	Grant for supporting EFSA in preparing guidance on endocrine disruptors	EFSA (GP/EFSA/PRAS/2017/01)

i Additional information on the projects at
 Federal Institute for Risk Assessment: www.bfr.bund.de/en > Research > Third party projects of the BfR
 Information System for Agriculture and Food Research: www.fisaonline.de > English
 BMEL research database (in German): www.bmel-forschung.de